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RCAP

464C-JWH-5074
12 February 2001



Mr. Jerome Johnson
U.S. Environmental Protection Agency Region VII
901 North Fifth Street
Kansas City, Kansas 66101

Enclosure: Corrective Action Quarterly Progress Report-Fourth Quarter 2000

Dear Mr. Johnson:

The enclosed Quarterly Progress Report is submitted as required by Section XI. of the Corrective Action Conditions of the Hazardous Waste Management Facility Permit, Number MOD 000 818 963. Three copies of the report will also be submitted to the Missouri Department of Natural Resources as required under the terms of the permit.

Please contact me should you need additional information.

Sincerely,

A handwritten signature in cursive script that reads "Joe Haake".

Joseph W. Haake, Group Manager
Environmental and Hazardous Materials Services
Dept. 464C, Bldg. 220, Mailcode S221-1400
(314) 232-6941

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RCRA RECORDS CENTER

Quarterly Progress Report for Fourth Quarter 2000

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Description of the work completed

Phase II B field work as outlined in the Workplan Addendum for the Phase II Environmental Site Assessment was completed in October. This included 1) Installation of 19 investigative soil borings to assess geological and hydrogeological conditions beneath the facility; 2) Installation of 3 piezometers to assess hydrogeological conditions beneath the facility; 3) Installation of 15 temporary piezometers to assess hydrogeological conditions beneath the facility; 4) Installation of 9 groundwater monitoring wells (4 shallow monitoring wells and 5 deep monitoring wells) to assess hydrogeological conditions beneath the facility; 5) Sampling of subsurface soils utilizing continuous collection methods; 6) Collection of subsurface soil samples for field screening and laboratory analyses; 7) Collection of groundwater samples for field screening and laboratory analyses; and 8) Monitoring of groundwater surface.

The Phase II Environmental Site Assessment Report, Volume 2, which includes results of Phase II A and B field work, was completed on November 16 and submitted to MDNR and EPA.

A Remedial Action Plan (RAP), which includes a work plan for Phase II C, was developed and was submitted to MDNR and EPA on October 25. Discussions were held with MDNR staff following submittal of the RAP and it was determined that additional technical information should be included.

Field activities at SWMU #17 were initiated on December 4. A total of 8 soil borings and 8 groundwater monitoring wells were installed. Soil and groundwater sampling was conducted.

Summary of all findings

All findings are presented in the Phase II Environmental Site Assessment Report, Volume 2. Laboratory analysis of samples collected from SWMU #17 was not complete by the end of the quarter.

Summary of all problems or potential problems and actions taken to rectify problems

Free petroleum product was encountered in the soil and shallow groundwater during installation of the groundwater monitoring wells at the area designated for installation of a shallow, intermediate, and deep well to the east of SWMU #17. Installation of these wells was relocated approximately 237 feet due east of the proposed location. No free product or PID readings were detected in soil borings at this location. Free product was also detected just west of the original proposed well location and high TPH levels were

detected in soil borings near the same area. The source of the free petroleum product has not been determined. Additional field investigation will be conducted.

Projected work for the next reporting period

Revise the RAP and submit for Approval.

Compile analytical results from soil and groundwater sampling at SWMU #17.

Develop a workplan to determine sources of hydrocarbon contamination at SWMU #17.

Revise the workplan schedule for SWMU #17.

Instances of noncompliance with the corrective actions of the permit

None

Quarterly Progress Report for Fourth Quarter 2000

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